

APPENDIX F: COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS (CNMI) JOINT MILITARY TRAINING (CJMT) PROPOSAL

Although not located on Guam, the CJMT proposed project is included as an appendix to this Master Plan since it supports the overall USMC mission in the Pacific. Although not a part of DPRI or the Guam relocation, its costs are included herein as they have historically been included in the Rainbow Chart and are partially funded by the GOJ.

Introduction: The U.S. is rebalancing military forces in the Asia Pacific region. In support of this, the U.S. military is proposing to increase joint military training capabilities by developing live-fire ranges and training areas on the islands of Tinian and Pagan. The USMC is leading this joint service initiative on behalf of the U.S. Pacific Command. The proposed action, which involves land, air, and sea space follows the NEPA. A separate EIS/OEIS is currently being prepared by the USMC.

The information in this appendix reflects the CJMT text and graphics provided to the public in April 2013. The planning effort as part of the NEPA process is continuously evolving. The EIS/OEIS will reflect the most updated information.

Proposed Action: The U.S. military proposes to improve existing and develop new live-fire military training areas on Tinian and Pagan.

Purpose and Need: The purpose of the proposed action is to reduce joint training deficiencies for the military services in the Western Pacific. Military training capabilities and capacity improvements are needed to ensure that the U.S. military services fulfill their responsibility to maintain, equip, and train combat-ready forces in the Western Pacific.

Background: A large number of U.S. military training deficiencies exist in the Western Pacific. Military units are permanently assigned to the Mariana Islands or are deployed to the region on a rotational basis. In both cases, the retention of military skills of the individuals and the units diminish over time; therefore, range and training areas must be available to sustain those skills on a regular basis. Because current and planned land use for the U.S. military in the Mariana Islands has maximized use of land on Guam for individual level training and other activities, unit level and combined level training deficiencies must be met in the CNMI. The islands of the CNMI were studied for suitable locations for unit level and combined level training. It has been determined that, together, the military-leased land on Tinian and the island of Pagan best support the needed range and training areas for both unit level and combined level training.

Alternatives:

Tinian: There are three preliminary training alternatives proposed for Tinian. Each alternative would maximize the use of military-leased lands on Tinian and would introduce live-fire ranges. The three alternatives proposed for Tinian represent different training capabilities and capacities.

Pagan: There are two preliminary training alternatives proposed for Pagan. The U.S. military is looking at various options to use either portions of the entire island for both live-fire and non-live-fire training activities.

Air and Sea Space: All alternatives require air and sea spaces to support safe separation of civilian and military air and sea activities.

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Estimated Completion FY (assuming construction complete 3-years after funding year): FY28

Estimated Cost to Complete: \$910M

Number of Projects: 18

A categorical summary of the projects related to the estimates shown above is provided by Table F-1.

Table F-1 Categorical Summary of CJMT Projects

Project Category	Number of Projects	Total Cost (\$M)
Base Camp Facilities	5	(b) (5)
Infrastructure	2	
Training Ranges	11	
GRAND TOTAL	18	\$910

Source: Guam Rainbow Chart (updated 4/22/2014)

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1 A list of projects related to the CJMT is shown in Table F-2.

2 **Table F-2 List of CJMT Projects**

MILCON/FHCON	Execution Year	Estimated Cost to Complete (b) (5)	
		MCON	Mamizu
Tin Infa Upgrades- Biosec	FY17	(b) (5)	-
TIN Base Camp I	JFY17	-	(b) (5)
TIN Mortar & Arty	FY19	(b) (5)	-
High Hazard Impact Area	FY19	(b) (5)	-
Lease – Pagan	FY19	(b) (5)	-
TIN Co. Fire & Mvmt	JFY20	-	(b) (5)
TIN Multipurpose Range Complex	JFY21	-	(b) (5)
TIN Aviation Landing	FY21	(b) (5)	-
Landing Beach-CNMI	FY22	(b) (5)	-
TIN SARms & MG Ranges	FY23	(b) (5)	-
TIN Ammo Storage	FY23	(b) (5)	-
TIN Base Camp Ph II	FY23	(b) (5)	-
PLT Battle Course	FY23	(b) (5)	-
Live Fire Convoy Course	FY23	(b) (5)	-
TIN VOA Relocation	FY24	(b) (5)	-
Pagan HSV Pier	FY25	(b) (5)	-
Pagan Mnver Training Support	FY25	(b) (5)	-
TIN Comb. Arms Fire	FY25	(b) (5)	-
TOTAL ESTIMATED COST TO COMPLETE		\$910,026	

3 *Source: Guam Rainbow Chart (updated 4/22/2014)*

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The costs shown in the tables are based upon the following assumptions:

- 1) Cost for ranges and requirements for supporting facilities/infrastructure (such as biosecurity) in CNMI is subject to change based on the on-going NEPA process.
- 2) The cost to lease Pagan is based on the low end of the cost range determined by NAVFAC Pacific.
- 3) Tinian Multi-Purpose Range Complex: Cost is based on Training Concept Plan (TCP) 1391 dated Aug 2008. Cost reflected on 1391 is (b) (5); however approximately (b) (5) of this scope is for target emplacements (SIT, SAT MAT, DSIT - page 11). This scope was removed from this 1391 since it actually is paid for by Procurement Marine Corps (PMC), a separate appropriation from MILCON. Cost was determined by subtracting out the targets, removing the old Area Cost Factor (ACF) [2.64], and then multiplying by the new ACF [2.32]. Cost was determined as follows:

$$(b) (5) = (b) (5)$$

- 4) High Hazard Impact Area: Cost is based on TCP 1391 for the Stationary Target Range dated Aug 2008. Cost reflected on 1391 is (b) (5). While this range is no longer required, the scope will be adjusted to develop the impact area. Scope will consist of grading, earthwork, fencing, roadway construction, security measures, AT/FP, and utilities. Cost was determined by removing the old ACF [2.64], and then multiplying by the new ACF [2.32]. While this range is no longer required, the scope will be adjusted to develop the impact area.

- 5) Tinian Small Arms and Machine Gun Ranges: Cost is based on TCP 1391 dated Aug 2008. Cost reflected on 1391 is (b) (5); however approximately (b) (5) of this scope is for target emplacements (SIT, MIT, SAT, MAT - page 26, 38, 42,). This scope was removed from this 1391 since it actually is paid for by PMC, a separate appropriation from MILCON. Cost was determined by subtracting out the targets, removing the old ACF [2.64], and then multiplying by the new ACF [2.32]. Cost was determined as follows:

$$(b) (5) = (b) (5)$$

- 6) Tinian Base Camp PH1 and PH2: Total project costs for both phases are based on TCP 1391s dated Aug 2008. Both phases equates to (b) (5) (b) (5). Costs were adjusted for new ACF. GOJ is planning to fund approximately (b) (5) for the first phase of the Base Camp; therefore the delta for the second phase was determined as follows:

$$((b) (5)) = (b) (5)$$

- 1 7) Live Fire Convoy Course: Cost is a placeholder and is based on a scope requiring roadway
2 construction, earthwork, storm water drainage, utilities, and fencing.
3
- 4 8) Platoon (PLT) Battle Course: Cost is a placeholder and is based on a scope requiring
5 significant earthwork and grading, utilities, roadway access, and fencing.
6
- 7 9) Pagan Maneuverer Training Support: This cost estimate is a placeholder and will provide
8 all infrastructure support/enablers for maneuver training on Pagan. Scope will consist of
9 earthwork, grading, site preparation, runway improvements, and fencing.
10
- 11 10) Tinian Infrastructure Upgrades - Biosecurity: This cost estimate is a placeholder to upgrade
12 or expand existing biosecurity inspection areas or to construct new facilities in support of
13 training activities on Tinian. Through the NEPA process, negotiations will occur with
14 USFWS to determine impacts and mitigation actions required for this function. Some
15 actions may require the re-location of fuel tanks by the pier, to allow inspections to occur at
16 that location for ordnance that arrives by roll-on/roll-off. This cost is a rough estimate until
17 more information becomes available.
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- 19 11) The CNMI Joint Military Training information is based on the Public Scoping alternatives
20 (April 2013)
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NOTIONAL DEPICTION ONLY

Tinian Preliminary Unit Alternative 1

LEGEND

- ▲ Indirect Firing Point
- Observation Point Tower
- Base Camp
- - - Convoy Course
- - - National Historic Landmark
- - - Former Airfield
- - - Expeditionary Training Runway
- - - Existing Road
- - - Military Lease Area Southern Boundary
- Notional Outer Surface Danger Zone
- ▨ Duded Impact Area
- Lake Hagoi Area
- Convoy Engagement Zone
- Range or Training Area
- - - Elevation Contour Line (5 ft interval)



Information shown is based on the best
available data at the date shown above.

Data Sources: USGS, NOAA, NAVFAC PAC - 2012

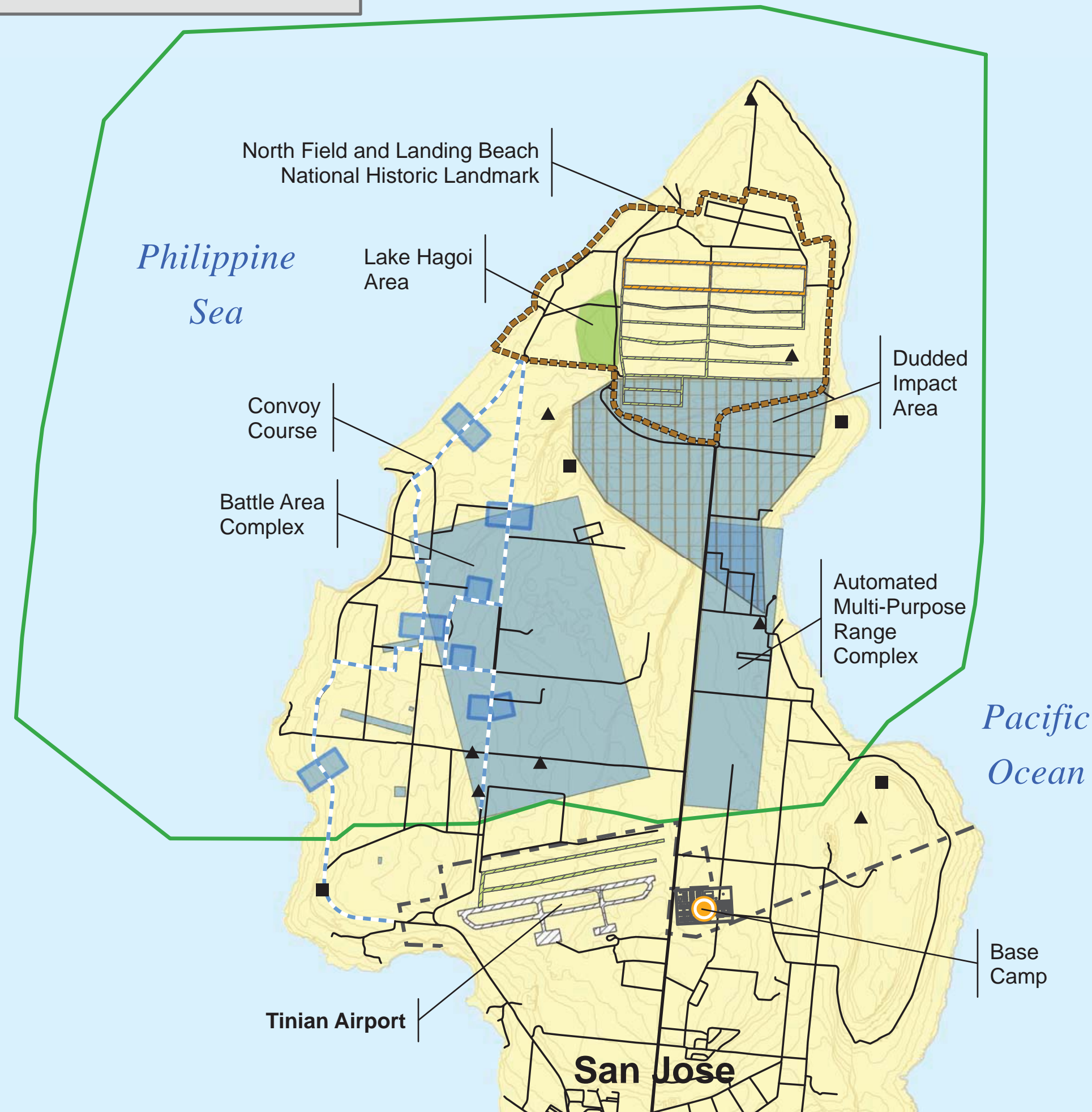
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NOTIONAL DEPICTION ONLY

Tinian Preliminary Unit Alternative 2

LEGEND

- ▲ Indirect Firing Point
- Observation Point Tower
- Base Camp
- - - Convoy Course
- ▤ National Historic Landmark
- ▨ Former Airfield
- ▧ Expeditionary Training Runway
- Existing Road
- - - Military Lease Area Southern Boundary
- ▭ Notional Outer SDZ
- ▧ Duded Impact Area
- ▨ Lake Hagoi Area
- ▨ Convoy Engagement Zone
- ▨ Range or Training Area
- Elevation Contour Line (5 ft interval)



Information shown is based on the best available data at the date shown above.

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NOTIONAL DEPICTION ONLY



Tinian Preliminary Unit Alternative 3

LEGEND

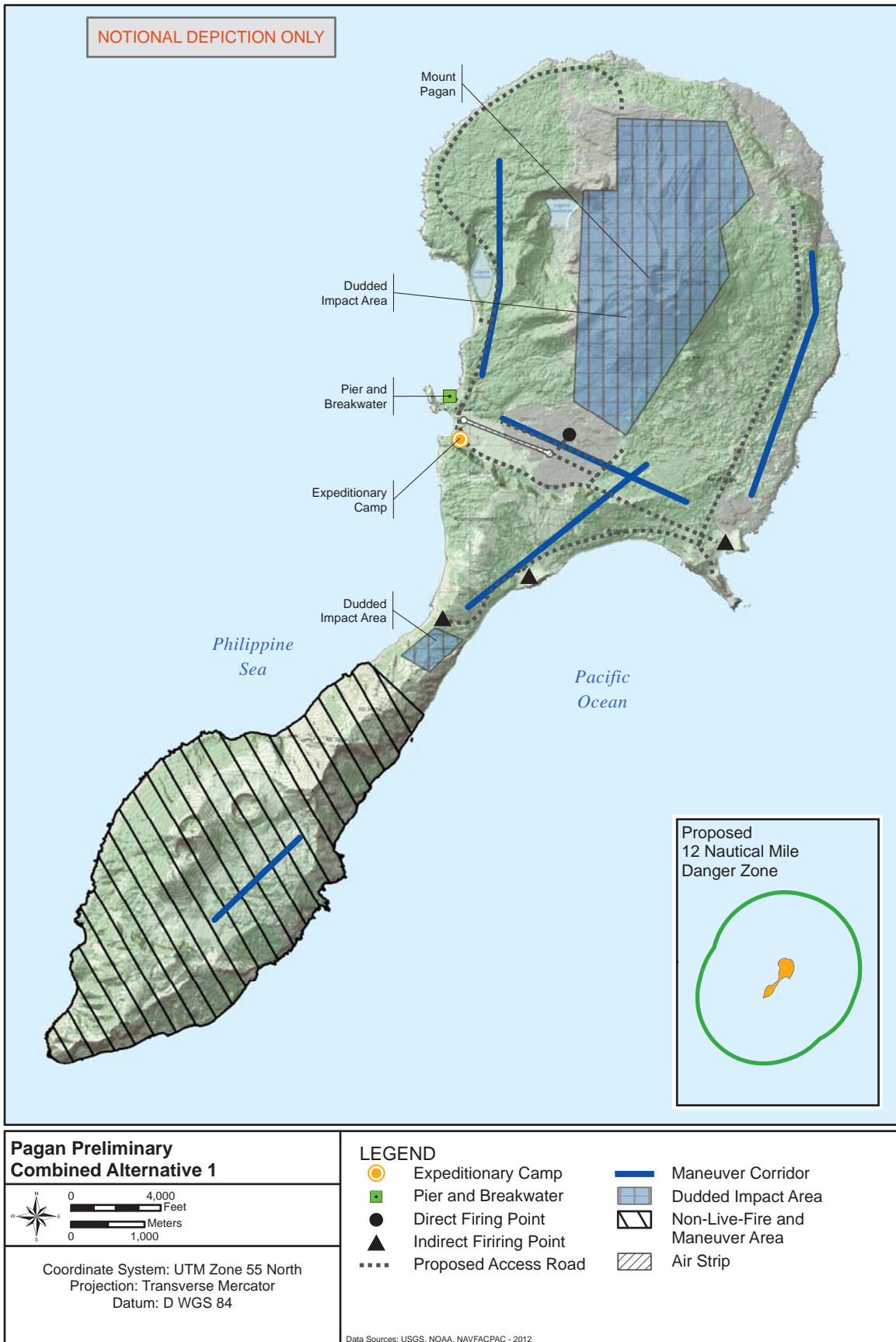
- ▲ Indirect Firing Point
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- - - Convoy Course
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- ▨ Convoy Engagement Zone
- ▨ Range or Training Area
- Elevation Contour Line (5 ft interval)

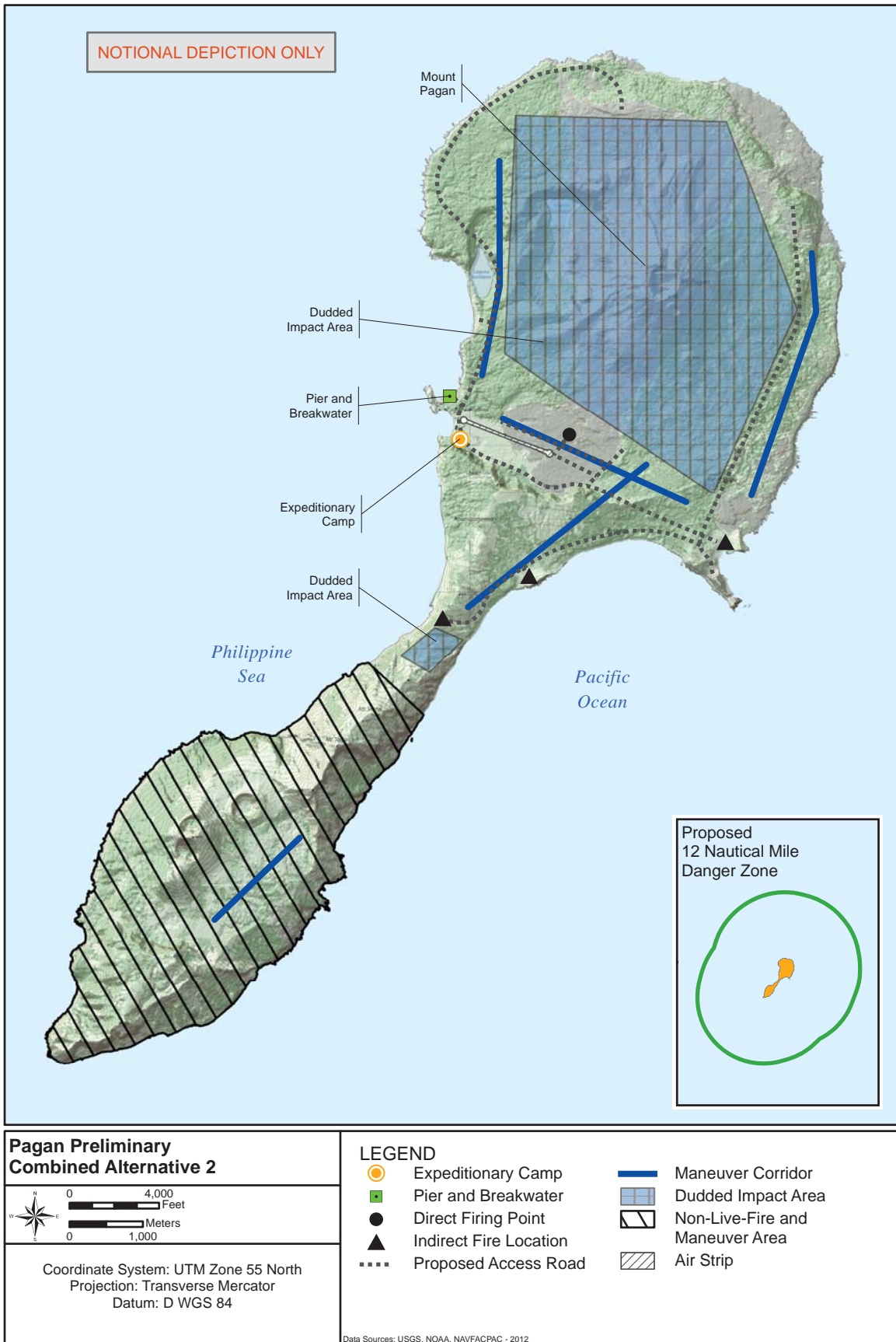


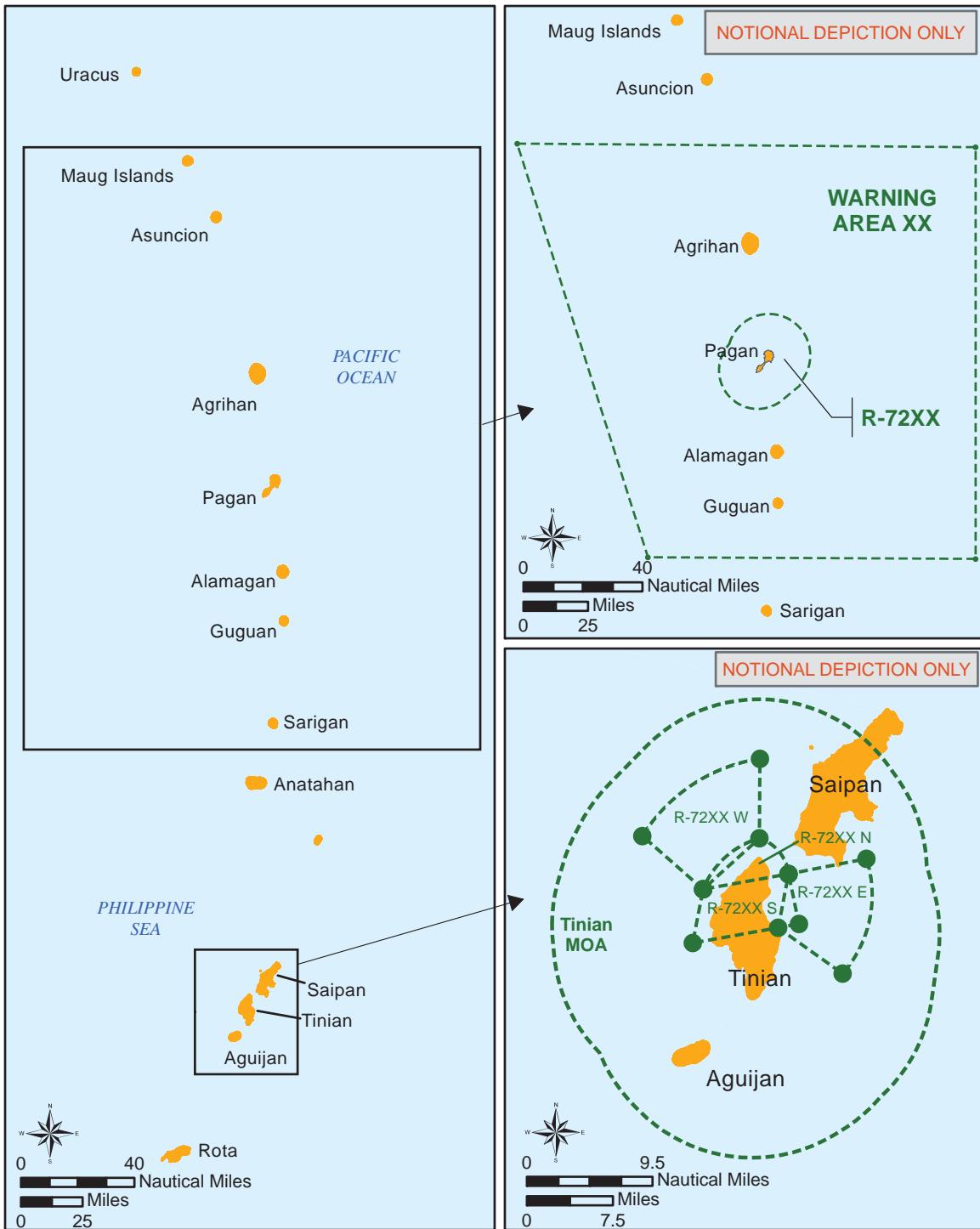
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